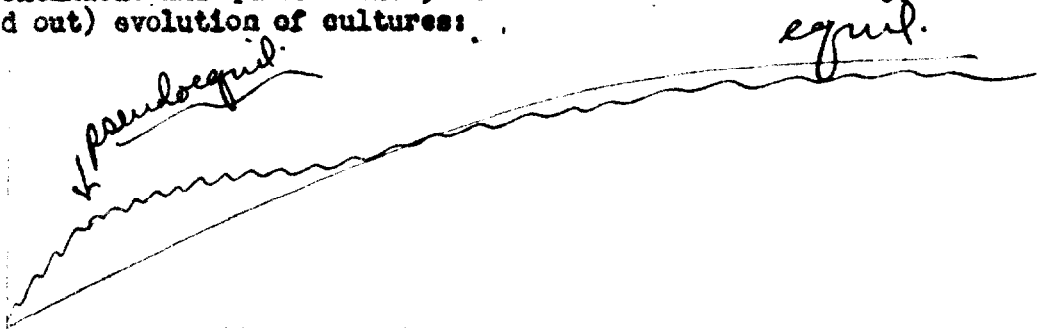


April 10, 1951.

Dear Kim-

I just saw your paper on periodic selection in print, where it reads better somehow than in typescript. I hope you'll forget about most of my earlier comments.

Jim (Crow) and I are still somewhat confused on the main question we were batting around in our letters: the effects of periodic selection on populational equilibria. If the sampling is not abrupt, but instead rather continuous and quantitative, then I would foresee this type of (smoothed out) evolution of cultures:



I still can't see you can escape the necessity that the areas under the two curves must be substantially equal by the time the hypothetical culture without P.S. would have approached its asymptote. If the PS's are numerous and overlap, then of course, you are right in suggesting that the variances will be diminished rather than broadened, but it seems to me that the pseudo-equilibrium will approach the true mutational equilibrium at about the same rate as if PS did not operate. The discrepancy will depend on the frequency of PS; if this is very high, with numerous overlaps, there would obviously be little effect. Have you worked out the theory yet in any detail- I'd be greatly interested to see it.

All this supposes that the Army has released its grip- Have I been entitled to assume that no news was good?

Eather and I might like to spend about a week at Woods Hole after the CSH meetings. Do you know any one who might be willing to rent an apt. or room with kitchen facilities for that time? See you in June, and best to all the Atwoods,

Joshua.